

WHAT IS CLAIMED IS:

1. A waste treatment system, comprising:
an electric generating device generating electric power using a
valuable substance recovered from organic waste as fuel;
a methane fermentation bath anaerobically fermenting said organic
5 waste; and
an electrolytic bath into which digested liquid generated upon
fermentation in said methane fermentation bath is introduced,
said electrolytic bath having an electrode pair fed with the electric
power from said electric generating device.
2. The waste treatment system according to claim 1, further
comprising a bubble separating portion separating bubbles from the liquid
in said electrolytic bath.
3. The waste treatment system according to claim 1, wherein said
electrode pair includes an anode electrode formed of platinum or a conductor
containing platinum, and a cathode electrode formed of a copper-zinc alloy, a
conductor containing iron, or a conductor containing aluminum.
4. The waste treatment system according to claim 1, further
comprising a surfactant adding portion adding a surfactant to the digested
liquid introduced into said electrolytic bath.
5. The waste treatment system according to claim 1, further
comprising a chemical agent adding portion adding chloride or hypochlorite
to the digested liquid introduced into said electrolytic bath.
6. The waste treatment system according to claim 1, further
comprising a polarity control portion inverting polarities of potentials
applied from said electric generating device to said electrode pair.

7. The waste treatment system according to claim 1, further comprising a solid matter separating portion separating a solid matter from the digested liquid before the digested liquid is introduced into said electrolytic bath.

8. The waste treatment system according to claim 7, wherein said solid matter separating portion is formed of a film separating the solid matter having a particle size equal to or greater than a prescribed size from the digested liquid.

9. The waste treatment system according to claim 1, wherein said electric generating device outputs direct current power.

10. The waste treatment system according to claim 9, wherein said electric generating device outputs direct current power of a constant current or a constant voltage.

11. The waste treatment system according to claim 1, wherein said electric generating device and said electrolytic bath are configured integrally.